OIL ANALYSIS REPORT

DAVID BROWN JR 6029 VOLVO PENTA 2041062450 - PORT DIESEL ENGINE

Sample No: VPA058175

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMATION

Barium

Boron

Sample Number Sample Date Machine Hours Oil Hours Oil Changed Sample Status		VPA058175 20 Dec 2023 132 40 Changed NORMAL	 	
OIL CONDITION				
Visc @ 100°C Base Number (BN)	cSt mg KOH/g	■ 15.7 ■ 8.5	 	
Oxidation (PA)	%	100	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.4	 	
Nitration (PA)	%	111	 	
Sulfation (PA)	%	70	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	16	 	
Sodium	ppm	4	 	
Potassium	ppm	1	 	
WEAR METALS				
Iron	ppm	56	 	
Copper	ppm	7	 	
Lead	ppm	11	 	
Tin	ppm	3	 	
Aluminum	ppm	5	 	
Chromium	ppm	1	 	
Molybdenum	ppm	46	 	
Nickel	ppm	3	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1587	 	
Magnesium	ppm	1019	 	
Zinc	ppm	1179	 	
Phosphorus	ppm	956	 	

North Harbor Diesel Inc

720 30Th Street ANACORTES, WA JS 98221 Contact: ROBBIN MURDOCK robbin@northharbordiesel.com F: (360)299-1904 -

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP179089

 Unique No:
 10832033

 Signed:
 Jonathan Hester

 Report Date:
 17 Jan 2024

Report ld: VP179089 [WUSCAR] 06060651 (Generated: 01/17/2024 10:57:37) Rev: 1

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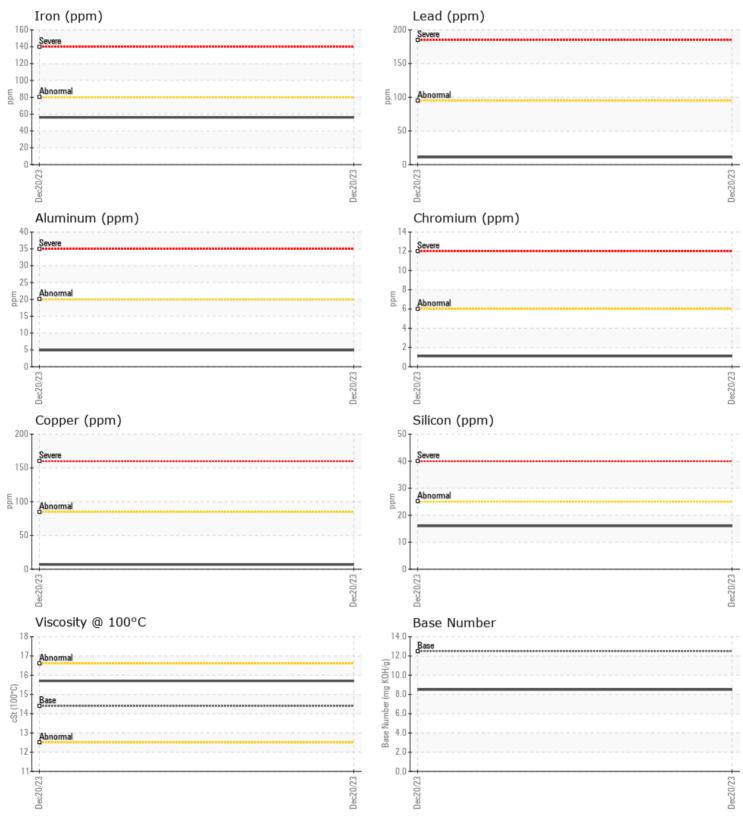
Contact/Location: ROBBIN MURDOCK - VP179089



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: ROBBIN MURDOCK - VP179089